

#7  
6

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/537,562  
Source: PT  
Date Processed by STIC: 2/10/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/537,562</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <b>after</b> creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line <b>not exceed</b> 72 characters in length. This includes white spaces.	
3 <input checked="" type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do <b>not</b> use tab codes between numbers; use <b>space characters</b> , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was <b>not</b> saved in ASCII(DOS) text, as <b>required</b> by the Sequence Rules. <b>Please ensure your subsequent submission is saved in ASCII text.</b>	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If <b>intentional</b> , please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only <b>valid</b> <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is <b>required</b> when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is <b>MANDATORY</b> if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can <b>only</b> represent a single <u>nucleotide</u> ; "Xaa" can <b>only</b> represent a single <u>amino acid</u>	



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/537,562

DATE: 02/10/2006  
TIME: 08:44:17

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\02102006\J537562.raw

3 <110> APPLICANT: bioMerieux B.V.  
4 Venema, Fokke  
6 <120> TITLE OF INVENTION: Method for lowering both sequence variations and increase of  
base  
7 line's effects in a diagnostic hybridisation assay, assay for  
8 performing such a method and probe for use in the assay  
10 <130> FILE REFERENCE: L/2AR80/MK/57  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/537,562  
C--> 12 <141> CURRENT FILING DATE: 2005-06-03  
12 <150> PRIOR APPLICATION NUMBER: EP 02 080 125.4  
13 <151> PRIOR FILING DATE: 2002-12-03  
15 <160> NUMBER OF SEQ ID NOS: 13  
17 <170> SOFTWARE: PatentIn version 3.2  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 26  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Artificial  
24 <220> FEATURE:  
25 <223> OTHER INFORMATION: Ref  
28 <220> FEATURE:  
29 <221> NAME/KEY: modified\_base  
30 <222> LOCATION: (1)..(26)  
31 <223> OTHER INFORMATION: I  
33 <220> FEATURE:  
34 <221> NAME/KEY: misc\_feature  
35 <222> LOCATION: (1)..(26)  
36 <223> OTHER INFORMATION: n = inosine  
38 <400> SEQUENCE: 1  
39 atcaatgagg angctgcaga ntggga  
42 <210> SEQ ID NO: 2  
43 <211> LENGTH: 26  
44 <212> TYPE: DNA  
45 <213> ORGANISM: Artificial  
47 <220> FEATURE:  
48 <223> OTHER INFORMATION: Me-1  
51 <220> FEATURE:  
52 <221> NAME/KEY: misc\_feature  
53 <222> LOCATION: (1)..(26)  
54 <223> OTHER INFORMATION: n = inosine; r = 2'-O-Me nucleotide of a  
56 <220> FEATURE:  
57 <221> NAME/KEY: modified\_base  
58 <222> LOCATION: (1)..(26)  
59 <223> OTHER INFORMATION: 2'-O-methyladenosine  
61 <400> SEQUENCE: 2

*see item 4 on Error  
Summary Sheet*

*see pp 1-5*

*Please give source of genetic material*

*Does Not Comply  
Corrected Diskette Needed*

*delete you don't need (see item 11 on Error  
Summary Sheet)*

*this, since I is represented by "n" and explained*

*Per Sequence Rule, "r" represents a or g*

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/537,562

DATE: 02/10/2006  
TIME: 08:44:17

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\02102006\J537562.raw

W--> 62 atcrrtgrgg rngctgcrgr ntggga 26  
65 <210> SEQ ID NO: 3  
66 <211> LENGTH: 26  
67 <212> TYPE: DNA  
68 <213> ORGANISM: Artificial  
70 <220> FEATURE:  
71 <223> OTHER INFORMATION: Me-2  
74 <220> FEATURE:  
75 <221> NAME/KEY: misc\_feature  
76 <222> LOCATION: (1)..(26)  
77 <223> OTHER INFORMATION: n = inosine, r = 2'-O-Me nucleotide of a, k = 2'-O-Me  
nucleotide  
78 of g

$r = a \text{ or } g$

$k = g \text{ or } t$

80 <220> FEATURE:  
81 <221> NAME/KEY: modified\_base  
82 <222> LOCATION: (1)..(26)  
83 <223> OTHER INFORMATION: gm  
85 <220> FEATURE:  
86 <221> NAME/KEY: modified\_base  
87 <222> LOCATION: (1)..(26)  
88 <223> OTHER INFORMATION: I  
90 <220> FEATURE:  
91 <221> NAME/KEY: modified\_base  
92 <222> LOCATION: (1)..(26)  
93 <223> OTHER INFORMATION: 2'-O-methyladenosine

delete, since it is already explained  
above

W--> 96 atcrrtkakk rnkctkcakr ntkkga 26

99 <210> SEQ ID NO: 4  
100 <211> LENGTH: 26  
101 <212> TYPE: DNA  
102 <213> ORGANISM: Artificial  
104 <220> FEATURE:  
105 <223> OTHER INFORMATION: Me-7  
108 <220> FEATURE:  
109 <221> NAME/KEY: misc\_feature  
110 <222> LOCATION: (1)..(26)  
111 <223> OTHER INFORMATION: n = inosine, r = 2'-O-Me nucleotide of a, k = 2'-O-Me  
nucleotide  
112 of g  
114 <220> FEATURE:  
115 <221> NAME/KEY: modified\_base  
116 <222> LOCATION: (1)..(26)  
117 <223> OTHER INFORMATION: 2'-O-methyladenosine  
119 <220> FEATURE:  
120 <221> NAME/KEY: modified\_base  
121 <222> LOCATION: (1)..(26)  
122 <223> OTHER INFORMATION: gm  
124 <220> FEATURE:  
125 <221> NAME/KEY: modified\_base  
126 <222> LOCATION: (1)..(26)  
127 <223> OTHER INFORMATION: I

already explained above

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/537,562

DATE: 02/10/2006  
TIME: 08:44:17

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\02102006\J537562.raw

129 <400> SEQUENCE: 4  
W--> 130 atcrrtkakk rnkctkcrkr ntkkka 26  
133 <210> SEQ ID NO: 5  
134 <211> LENGTH: 26  
135 <212> TYPE: DNA  
136 <213> ORGANISM: Artificial  
138 <220> FEATURE:  
139 <223> OTHER INFORMATION: Ref2  
141 <400> SEQUENCE: 5  
142 atcaatgagg aagctgcaga atggga 26  
145 <210> SEQ ID NO: 6  
146 <211> LENGTH: 26  
147 <212> TYPE: DNA  
148 <213> ORGANISM: Artificial  
150 <220> FEATURE:  
151 <223> OTHER INFORMATION: LNA1  
154 <220> FEATURE:  
155 <221> NAME/KEY: misc\_feature  
156 <222> LOCATION: (1)..(26)  
157 <223> OTHER INFORMATION: b = LNA nucleotide of a; w = LNA nucleotide of t  
159 <400> SEQUENCE: 6  
160 btcaatgagg aagcwgcaga atggga 26  
163 <210> SEQ ID NO: 7  
164 <211> LENGTH: 26  
165 <212> TYPE: DNA  
166 <213> ORGANISM: Artificial  
168 <220> FEATURE:  
169 <223> OTHER INFORMATION: LNA2  
172 <220> FEATURE:  
173 <221> NAME/KEY: misc\_feature  
174 <222> LOCATION: (1)..(26)  
175 <223> OTHER INFORMATION: b = LNA nucleotide of a; w = LNA nucleotide of t  
177 <400> SEQUENCE: 7  
178 btcaatgagg bagcwgcaga atggga 26  
181 <210> SEQ ID NO: 8  
182 <211> LENGTH: 26  
183 <212> TYPE: DNA  
184 <213> ORGANISM: Artificial  
186 <220> FEATURE:  
187 <223> OTHER INFORMATION: Ref. molecular beacon  
190 <220> FEATURE:  
191 <221> NAME/KEY: misc\_feature  
192 <222> LOCATION: (1)..(26)  
193 <223> OTHER INFORMATION: n = inosine  
195 <220> FEATURE:  
196 <221> NAME/KEY: modified\_base  
197 <222> LOCATION: (1)..(26)  
198 <223> OTHER INFORMATION: I  
200 <400> SEQUENCE: 8

b = c or g or t/u, not a  
w = a or t

delete - already shown above

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/537,562

DATE: 02/10/2006  
TIME: 08:44:17

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\02102006\J537562.raw

W--> 201 atcaatgagg angctgcaga ntggga 26  
 204 <210> SEQ ID NO: 9  
 205 <211> LENGTH: 26  
 206 <212> TYPE: DNA  
 207 <213> ORGANISM: Artificial  
 209 <220> FEATURE:  
 210 <223> OTHER INFORMATION: Subtype A  
 213 <220> FEATURE:  
 214 <221> NAME/KEY: misc\_feature  
 215 <222> LOCATION: (1)..(26)  
 216 <223> OTHER INFORMATION: r = 2'-O-Me nucleotide of a  
 218 <220> FEATURE:  
 219 <221> NAME/KEY: modified\_base  
 220 <222> LOCATION: (1)..(26)  
 221 <223> OTHER INFORMATION: 2'-O-methyladenosine  
 223 <400> SEQUENCE: 9  
 224 atcaatgagg argctgcaga rtggga 26  
 227 <210> SEQ ID NO: 10  
 228 <211> LENGTH: 26  
 229 <212> TYPE: DNA  
 230 <213> ORGANISM: Artificial  
 232 <220> FEATURE:  
 233 <223> OTHER INFORMATION: Subtype G1  
 236 <220> FEATURE:  
 237 <221> NAME/KEY: misc\_feature  
 238 <222> LOCATION: (1)..(26)  
 239 <223> OTHER INFORMATION: r = 2'-O-Me nucleotide of a; k = 2'-O-Me nucleotide of g v  
 240 <220> FEATURE: 2'-O-nucleotide of t V = a or c or g  
 242 <220> FEATURE:  
 243 <221> NAME/KEY: modified\_base  
 244 <222> LOCATION: (1)..(26)  
 245 <223> OTHER INFORMATION: 2'-O-methyladenosine  
 247 <220> FEATURE:  
 248 <221> NAME/KEY: modified\_base  
 249 <222> LOCATION: (1)..(26)  
 250 <223> OTHER INFORMATION: gm  
 252 <220> FEATURE:  
 253 <221> NAME/KEY: modified\_base  
 254 <222> LOCATION: (1)..(26)  
 255 <223> OTHER INFORMATION: 2'-O-methylthymidine  
 257 <400> SEQUENCE: 10  
 258 atvaatgarg argctgcaga ktggga 26  
 261 <210> SEQ ID NO: 11  
 262 <211> LENGTH: 26  
 263 <212> TYPE: DNA  
 264 <213> ORGANISM: Artificial  
 266 <220> FEATURE:  
 267 <223> OTHER INFORMATION: Subtype N  
 270 <220> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/537,562

DATE: 02/10/2006  
TIME: 08:44:17

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\02102006\J537562.raw

*d = a or g or t/u*

271 <221> NAME/KEY: misc\_feature  
 272 <222> LOCATION: (1)..(26)  
 273 <223> OTHER INFORMATION: *r = 2'-O-Me nucleotide of a; d = 2'-O-Me nucleotide of c*  
 275 <220> FEATURE:  
 276 <221> NAME/KEY: modified\_base  
 277 <222> LOCATION: (1)..(26)  
 278 <223> OTHER INFORMATION: 2'-O-methyladenosine  
 280 <220> FEATURE:  
 281 <221> NAME/KEY: modified\_base  
 282 <222> LOCATION: (1)..(26)  
 283 <223> OTHER INFORMATION: cm  
 285 <400> SEQUENCE: 11  
 286 atcaatgagg argcrgcaga dtggga 26  
 289 <210> SEQ ID NO: 12  
 290 <211> LENGTH: 26  
 291 <212> TYPE: DNA  
 292 <213> ORGANISM: Artificial  
 294 <220> FEATURE:  
 295 <223> OTHER INFORMATION: *Subtype 01*  
 298 <220> FEATURE:  
 299 <221> NAME/KEY: misc\_feature  
 300 <222> LOCATION: (1)..(26)  
 301 <223> OTHER INFORMATION: *r = 2'-O-Me nucleotide of a; v = 2'-O-Me nucleotide of t*  
 303 <220> FEATURE:  
 304 <221> NAME/KEY: modified\_base  
 305 <222> LOCATION: (1)..(26)  
 306 <223> OTHER INFORMATION: 2'-O-methyladenosine  
 308 <220> FEATURE:  
 309 <221> NAME/KEY: modified\_base  
 310 <222> LOCATION: (1)..(26)  
 311 <223> OTHER INFORMATION: 2'-O-methylthymidine  
 313 <400> SEQUENCE: 12  
 314 atcaatgavg argcrgcaga vtggga 26  
 317 <210> SEQ ID NO: 13  
 318 <211> LENGTH: 26  
 319 <212> TYPE: DNA  
 320 <213> ORGANISM: Artificial  
 322 <220> FEATURE:  
 323 <223> OTHER INFORMATION: *Subtype 03*  
 326 <220> FEATURE:  
 327 <221> NAME/KEY: misc\_feature  
 328 <222> LOCATION: (1)..(26)  
 329 <223> OTHER INFORMATION: *r = 2'-O-Me nucleotide of a; k = 2'-O-Me nucleotide of g; v = 2'-O-Me nucleotide of t*  
 330 <220> FEATURE:  
 332 <221> NAME/KEY: modified\_base  
 334 <222> LOCATION: (1)..(26)  
 335 <223> OTHER INFORMATION: 2'-O-methyladenosine  
 337 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/537,562

DATE: 02/10/2006  
TIME: 08:44:18

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\02102006\J537562.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 12,21  
Seq#:2; N Pos. 12,21  
Seq#:3; N Pos. 12,21  
Seq#:4; N Pos. 12,21  
Seq#:8; N Pos. 12,21

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/537,562

DATE: 02/10/2006  
TIME: 08:44:18

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\02102006\J537562.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0